1.2 Motor data

Table 1.1

Motor type **Metric**	FULL DISPLACEMENT				Max. ** pressure	DISPLACEMENT SHIFT				
	Displace-ment	Specific torque	Rated speed	Max.*** speed		Displace-ment	Specific torque	Rated speed	Max. speed	Ratio
	V_i cm³/rev	T_s Nm/bar	n rev/min	n rev/min	p bar	V_i cm³/rev	T_s Nm/bar	n rev/min	n rev/min	
CA 50 20	1256	20	400	400	350	Not recommended to be used in reduced displacement				
CA 50 25	1570	25	350	400	350					
CA 50 32	2010	32	280	400	350					
CA 50 40	2512	40	230	350	350					
CA 50	**3140**	**50**	**200**	**280**	**350**	**1570**	**25**	**200**	**280**	**1:2**
CA 70 40	2512	40	270	400	350					
CA 70 50	3140	50	225	320	350	1570	25	225	320	1:2
CA 70 60	3771	60	195	275	350	1886	30	195	275	1:2
CA 70	**4400**	**70**	**180**	**240**	**350**	**2200**	**35**	**180**	**240**	**1:2**
CA 100 40	2512	40	390	400	350					
CA 100 50	3140	50	320	400	350					
CA 100 64	4020	64	260	390	350					
CA 100 80	5024	80	220	310	350	2512	40	220	310	1:2
CA 100	**6280**	**100**	**190**	**270**	**350**	**3140**	**50**	**190**	**270**	**1:2**
CA 140 80	5024	80	245	340	350					
CA 140 100	6280	100	205	275	350	3140	50	205	275	1:2
CA 140 120	7543	120	180	245	350	3771	60	180	245	1:2
CA 140	**8800**	**140**	**170**	**220**	**350**	**4400**	**70**	**170**	**220**	**1:2**
CA 210 160	10051	160	105	150	350	5026	80	105	150	1:2
CA 210 180	11314	180	100	135	350	5657	90	100	135	1:2
CA 210	13200	210	85	115	350	6600	105	85	115	1:2

Motor type **US**	FULL DISPLACEMENT				Max. ** pressure	DISPLACEMENT SHIFT				
	Displace-ment	Specific torque	Rated speed	Max. *** speed		Displace-ment	Specific torque	Rated speed	Max. speed	Ratio
	V_i in³/rev	T_s lbf·ft/1000 psi	n rev/min	n rev/min	p psi	V_i in³/rev	T_s lbf·ft/1000 psi	n rev/min	n rev/min	
CA 50 20	76,6	1017	400	400	5000	Not recommended to be used in reduced displacement				
CA 50 25	95,8	1271	350	400	5000					
CA 50 32	122,6	1627	280	400	5000					
CA 50 40	153,3	2034	230	350	5000					
CA 50	**191,6**	**2543**	**200**	**280**	**5000**	**95,8**	**1271**	**200**	**280**	**1:2**
CA 70 40	153,3	2034	270	400	5000					
CA 70 50	191,6	2543	225	320	5000	95,8	1271	225	320	1:2
CA 70 60	230,1	3051	195	275	5000	115,1	1526	195	275	1:2
CA 70	**268,5**	**3560**	**180**	**240**	**5000**	**134,3**	**1780**	**180**	**240**	**1:2**
CA 100 40	153,3	2034	390	400	5000					
CA 100 50	191,6	2543	320	400	5000					
CA 100 64	245,3	3254	260	390	5000					
CA 100 80	306,6	4068	220	310	5000	153,3	2034	220	310	1:2
CA 100	**383,2**	**5085**	**190**	**270**	**5000**	**191,6**	**2543**	**190**	**270**	**1:2**
CA 140 80	306,6	4068	245	340	5000					
CA 140 100	383,2	5085	205	275	5000	191,6	2543	205	275	1:2
CA 140 120	460,3	6102	180	245	5000	230,1	3050	180	245	1:2
CA 140	**537**	**7119**	**170**	**220**	**5000**	**268,5**	**3560**	**170**	**220**	**1:2**
CA 210 160	613,2	8136	105	150	5000	306,7	4068	105	150	1:2
CA 210 180	690,4	9154	100	135	5000	345,2	4577	100	135	1:2
CA210	**805,5**	**10678**	**85**	**115**	**5000**	**402,8**	**5339**	**85**	**115**	**1:2**

* Related to a required charge pressure of 12 bar/175 psi for motors in braking mode. (Special considerations regarding charge pressure, cooling and choice of hydraulic system for speeds above rated, 4 ports must be used).

** The motors are designed according to DNV-rules. Test pressure 420 bar/6000 psi.
Peak/transient pressure 420 bar/6000 psi maximum, allowed to occur 10000 times.

*** Speed above 280 rpm requires viton seals. Max permitted continues case pressure is 2 bar.